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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 2250.08088

First Inventor Mark William Mahone

Title ADJUSTABLE VALVE ROD AND PULL TUBE FOR
DOWNHOLE PUMPS

Express Mail Label No. EV 193710833 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 17]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
5. Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed)
- i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement
(when there is an assignee) Power of Attorney
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation Divisional Continuation-in-part (CIP) of prior application No. 60,398,460

Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	21000 <i>(Insert Customer No. or Attach bar code label here)</i>		or	<input type="checkbox"/> Correspondence address below
Name	Geoffrey A. Mantooth			
Address				
City	State	Zip Code		
Country	Telephone	Fax		
Name (Print/Type)	Geoffrey A. Mantooth	Registration No. (Attorney/Agent)	32,042	
Signature			Date	07/14/2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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09306115
07/14/03

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15076
07/14/03
PTO

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)
415.00

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Mark William Mahoney
Examiner Name	
Art Unit	
Attorney Docket No.	2250.08088

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None Deposit Account:Deposit Account Number
Deposit Account Name**23-2770****Decker, Jones, McMackin,
McClane, Hall & Bates**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee
 to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	375		
1002 330	2002 165	Design filing fee			
1003 520	2003 260	Plant filing fee			
1004 750	2004 375	Reissue filing fee			
1005 160	2005 80	Provisional filing fee			
SUBTOTAL (1)		(\$)	375.00		

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
9	-20** =		0	X 9 =	0
3	-3** =		0	X 42 =	0

Large Entity	Small Entity	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$) -0-

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath			
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet			
1053 130	1053 130	Non-English specification			
1812 2,520	1812 2,520	For filing a request for ex parte reexamination			
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action			
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action			
1251 110	2251 55	Extension for reply within first month			
1252 410	2252 205	Extension for reply within second month			
1253 930	2253 465	Extension for reply within third month			
1254 1,450	2254 725	Extension for reply within fourth month			
1255 1,970	2255 985	Extension for reply within fifth month			
1401 320	2401 160	Notice of Appeal			
1402 320	2402 160	Filing a brief in support of an appeal			
1403 280	2403 140	Request for oral hearing			
1451 1,510	1451 1,510	Petition to institute a public use proceeding			
1452 110	2452 55	Petition to revive - unavoidable			
1453 1,300	2453 650	Petition to revive - unintentional			
1501 1,300	2501 650	Utility issue fee (or reissue)			
1502 470	2502 235	Design issue fee			
1503 630	2503 315	Plant issue fee			
1460 130	1460 130	Petitions to the Commissioner			
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)			
1806 180	1806 180	Submission of Information Disclosure Stmt			
8021 40	8021 40	Recording each patent assignment per property (times number of properties)			40
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))			
1810 750	2810 375	For each additional invention to be examined (37 CFR 1.129(b))			
1801 750	2801 375	Request for Continued Examination (RCE)			
1802 900	1802 900	Request for expedited examination of a design application			

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) **40.00**

SUBMITTED BY

Name (Print/Type)	Geoffrey A. Mantooth	Registration No. (Attorney/Agent)	32,042	Telephone	817-336-2400
Signature				Date	07/14/2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EXPRESS MAIL CERTIFICATE

In Re Patent Application Of
Mark William Mahoney
"ADJUSTABLE VALVE ROD AND PULL TUBE
FOR DOWNHOLE PUMPS"
Attorney Docket: 2250.08088

"EXPRESS MAIL" LABEL NO. EV 193710833 US
I HEREBY CERTIFY THAT I DEPOSITED THIS
CORRESPONDENCE WITH THE UNITED STATES
POSTAL SERVICE "EXPRESS MAIL POST OFFICE
TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10
ADDRESSED TO: MAIL STOP PATENT APPLICATION,
COMMISSIONER FOR PATENTS, P.O. BOX 1450,
ALEXANDRIA, VA 22313-1450 ON JULY 14, 2003.

Joyce Morgan

Items Included:

Utility Patent Application Transmittal Sheet
Fee Transmittal for FY 2003 Sheet
Fee Determination Sheet
Patent Application consisting of
specification, claims and abstract (17 pages)
5 Sheets Drawings
Declaration for Patent Application (2 pages)
Power of Attorney
Assignment Letter
Assignment Cover Sheet
Assignment (2 pages)
Check for \$415.00
Return Post Card

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PATENT APPLICATION FEE DETERMINATION RECORD
 Substitute for Form PTO-875
Application or Docket Number
2250.08088**CLAIMS AS FILED – PART I**

(Column 1) (Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE (37 CFR 1.16(a))		
TOTAL CLAIMS (37 CFR 1.16(c))	9	minus 20 = * -0-
INDEPENDENT CLAIMS (37 CFR 1.16(b))	3	minus 20 = * -0-
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(d))		

* If the difference in column 1 is less than zero, enter "0" in column 2.

SMALL ENTITY

OR

RATE	Fee
	\$ 375
x \$ 9 =	0
x \$ 42 =	0
+ \$ =	
TOTAL	#375

OTHER THAN SMALL ENTITY

RATE	Fee
	\$ _____
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL	

CLAIMS AS AMENDED – PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
			**	=
Total (37 CFR 1.16(c))	*	Minus	**	=
Independent (37 CFR 1.16(b))	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	(37 CFR 1.16(d))			

SMALL ENTITY

OR

RATE	ADDITIONAL FEE
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
			**	=
Total (37 CFR 1.16(c))	*	Minus	**	=
Independent (37 CFR 1.16(b))	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	(37 CFR 1.16(d))			

SMALL ENTITY

OR

RATE	ADDITIONAL FEE
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

(Column 1) (Column 2) (Column 3)

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
			**	=
Total (37 CFR 1.16(c))	*	Minus	**	=
Independent (37 CFR 1.16(b))	*	Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM	(37 CFR 1.16(d))			

SMALL ENTITY

OR

RATE	ADDITIONAL FEE
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

RATE	ADDITIONAL FEE
x \$ _____ =	
x \$ _____ =	
+ \$ _____ =	
TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

DECKER, JONES, McMACKIN, McCLANE, HALL & BATES

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July 14, 2003

Mail Stop Assignment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Recording of Assignment
Our File: 2250.08088

Dear Sir:

Please record the attached Assignment from Mark William Mahoney to Harbison-Fischer, Inc. pertaining to a U.S. patent application entitled "ADJUSTABLE VALVE ROD AND PULL TUBE FOR DOWNHOLE PUMPS".

Enclosed is our check in the amount of \$415.00 of which \$40.00 is to cover the assignment recording fee. If any additional fees are required, please charge our deposit account number 23-2770.

Please return the recorded assignment to:

Geoffrey A. Mantooth, Reg. No. 32,042
Decker, Jones, McMackin, McClane, Hall & Bates
Burnett Plaza, Suite 2000
801 Cherry Street, Unit #46
Fort Worth, Texas 76102.

Very truly yours,

Geoff Mantooth

GM/jmm
Enclosures

2250.08088/172862v1

Commissioner of Patents to issue the said Letters Patent to Harbison-Fischer, Inc. in accordance with this assignment.

IN TESTIMONY WHEREOF, I hereunto set my hand and affix my seal,
at Crowley, State of Texas, United States of America.

✓ 7-10-03
Date

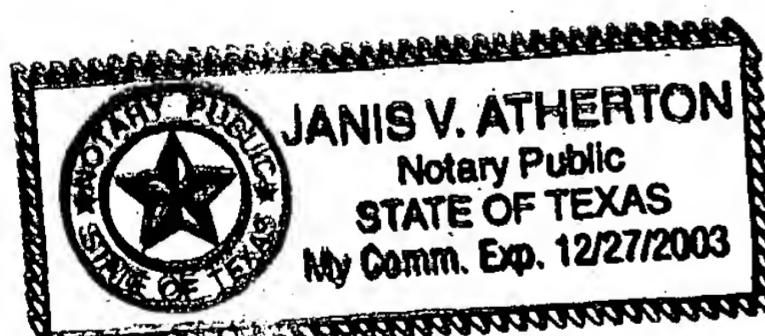
Mark William Mahoney
Mark William Mahoney

STATE OF TEXAS
COUNTY OF TARRANT

BEFORE ME, the undersigned, a Notary Public in and for said County and State, on this day personally appeared said Mark William Mahoney, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 10th day of July 2003.

SEAL



Janis V. Atherton
Notary Public for said County and State
Print Name Janis V. Atherton
My Commission expires 12-27-2023

2250/08088/194862v2